

## Abstract

The invention relates to an electro-optical module for transmitting and/or receiving optical signals of at least two optical data channels which are guided in an optical waveguide. The module includes at least one transmission component and at least one reception component. According to the invention, the optical waveguide is formed as a single waveguide piece with a bevelled end face which has a wavelength-selective filter or is connected to such a filter. Light from one data channel is reflected at the wavelength-selective filter and coupled out at an angle to the optical axis of the waveguide piece. Light of the other data channel passes through the wavelength-selective filter and enters the bevelled end face. A free beam region is formed between the bevelled end face and the transmission and reception components.

Figure 4